

105.4 - Toxic Substances in Urine (powder form)

SRM 2669 are for determination of arsenic species in human urine. A unit consists of five pouches, each containing one vial of Level I Arsenic Species and one vial of Level II Arsenic Species.

Technical Contact for SRM 2669: lee.vu@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of issue	Level 1 Arsenous acid (AsIII)	Level 1 Arsenic acid (AsV)	Level 1 Monomethylarso nic acid (MMA)	Level 1 Dimethylarsinic acid (DMA)	Level 1 Arsenobetaine (AB)	Level 1 Arsenic oxide (TMAO)	Level 1 Arsenocholine (AC)	Level II Arsenous acid (AsIII)	Level II Arsenic acid (AsV)	Level II Monomethylarso nic acid (MMA)	Level II Dimethylarsinic acid (DMA)	Level II Trimethylarsine oxide (TMAO)	Level II Arsenobetaine (AB)	Level II Arsenocholine (AC)
2669	Arsenic Species in Frozen Human Urine	(10) (2 each conc.)	1.47	2.41	1.87	3.47	12.4	22.2	(5.03	6.16	7.18	25.3	1.94	1.43	3.74
2670a	Toxic Elements in Urine (Freeze-Dried)	set (4) (2 each conc.)														
2672a	Mercury in Urine	set (4)														

^a Flourine concentrations, as measured, are for Fluoride, mass concentration.

^b Iodine concentrations, as measured, are for Iodide.

^c These levels are not spiked, but are endogenous to the matrix.

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SRM	Description	Unit of Issue	Level II Arsenic	Low Level Quantity Aluminum	Low Level Quantity Antimony	Low Level Quantity Arsenic	Low Level Quantity Barium	Low Level Quantity Cadmium	Low Level Quantity Calcium	Low Level Quantity Cesium	Low Level Quantity Chromium	Low Level Quantity Cobalt	Low Level Quantity Copper	Low Level Quantity Iodine ^b	Low Level Quantity Lead	Low Level Quantity Manganese	Low Level Quantity Magnesium
2669	Arsenic Species in Frozen Human Urine	(10) (2 each conc.)	50.7														
2670a	Toxic Elements in Urine (Freeze-Dried)	set (4) (2 each conc.)		(4)	0.971	(3)	(2)	0.0591	(29)	1.075	(2)	0.166	(5)	88.2	0.49	(2.6)	(21.0)
2672a	Mercury in Urine	set (4)															

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SRM	Description	Unit of Issue (10) (2 each conc.)	Low Level Quantity Mercury	Low Level Quantity Molybdenum	Low Level Quantity Nickel	Low Level Quantity Potassium	Low Level Quantity Selenium	Low Level Quantity Sodium	Low Level Quantity Thallium	Low Level Quantity Thorium	Low Level Quantity Tin	Low Level Quantity Tungsten	Low Level Quantity Uranium	Low Level Quantity Vanadium	Low Level Quantity Zinc	High Level Quantity Aluminum	High Level Quantity Antimony
2669	Arsenic Species in Frozen Human Urine	(10) (2 each conc.)															
2670a	Toxic Elements in Urine (Freeze-Dried)	set (4) (2 each conc.)	0.0663	(17)	(2)	(410)	8	(856)	0.0162	0.0053	((0.1020	((130)	(100)	0.824
2672a	Mercury in Urine	set (4)															

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SRM	Description	Unit of Issue (10) (2 each conc.)	High Level Quantity Arsenic	High Level Quantity Barium	High Level Quantity Beryllium	High Level Quantity Cadmium	High Level Quantity Calcium	High Level Quantity Cesium	High Level Quantity Chromium	High Level Quantity Cobalt	High Level Quantity Copper	High Level Quantity Iodine ^b	High Level Quantity Lead	High Level Quantity Magnesium	High Level Quantity Manganese	High Level Quantity Mercury	High Level Quantity Molybdenum
2669	Arsenic Species in Frozen Human Urine	(10) (2 each conc.)															
2670a	Toxic Elements in Urine (Freeze-Dried)	set (4) (2 each conc.)	(220)	(2)	(5)	4.862	(30)	1.085	(20)	51.2	(110)	88.2	233.2	(21.2)	99	95.1	114.1
2672a	Mercury in Urine	set (4)															

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SRM	Description	Unit of Issue	High Level Quantity Nickel	High Level Quantity Platinum	High Level Quantity Potassium	High Level Quantity Selenium	High Level Quantity Sodium	High Level Quantity Thallium	High Level Quantity Thorium	High Level Quantity Tin	High Level Quantity Tungsten	High Level Quantity Uranium	High Level Quantity Vanadium	High Level Quantity Zinc	Low Level Elevated Level Mercury
2669	Arsenic Species in Frozen Human Urine	(10) (2 each conc.)													
2670a	Toxic Elements in Urine (Freeze-Dried)	set (4) (2 each conc)	(100)	51.5	(415)	229.5	(942)	5.417	0.01606	(89)	(4.997	(30)	410	
2672a	Mercury in Urine	set (4)													0.105

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